

	1		50
PTP-1B	MEMEKEFEQI DKSGSWAAIY QDIRHEASDF	PCRVAKLPKN KNRNRYRDVS	
hTC-ptp	MPTTIEREFEEL DTQRRWQPLY LEIRNESH DY	PHRVAKFPEN RNRNRYRDVS	
	51		100
PTP-1B	PFDH SRIKLH QEDNDYINAS LIKMEEAQRS	YILTQG PLPN TCGHFWEMVW	
hTC-ptp	PYDHSRVKLQ NAENDYINAS LVDIEEAQRS	YILTQG PLPN TCCHFWMVW	
	101		150
PTP-1B	EQKSRGVV ML NRVM EKGSLK CAQYWPQKEE	KEMIFEDTNL KLTLISED I K	
hTC-ptp	QQKTKAVV ML NRIVEKESVK CAQYWP.TDD	QEMLFKETGF SVKLLSE D V K	
	151		200
PTP-1B	SY YTVRQLEL ENLTTQETRE ILHFHYTTWP	DFGVPE SPAS FLNFLFKVRE	
hTC-ptp	SY YTVHLLQL ENINSGETRT ISHFHYTTWP	DFGVPE SPAS FLNFLFKVRE	
	201		250
PTP-1B	SGSL SPEHGP VVVHCSAGIG RSGTFCLADT	CLLLMDKRKD PSSVDIKKVL	
hTC-ptp	SGSLNPDHGP AVIHCSAGIG RSGTFSLVDT	CLVLMEKGDD..INIKQVL	
	251		298
PTP-1B	LEM RKFRMGL IQTADQLRFS YLAVIEGAKF	IMGDSSVQDQ WKELSHED	
hTC-ptp	LNMRKYRMGL IQTPDQLRFS YMAIEGAKC	IKGDSSIQR WKELSKED	

FIGURE 1

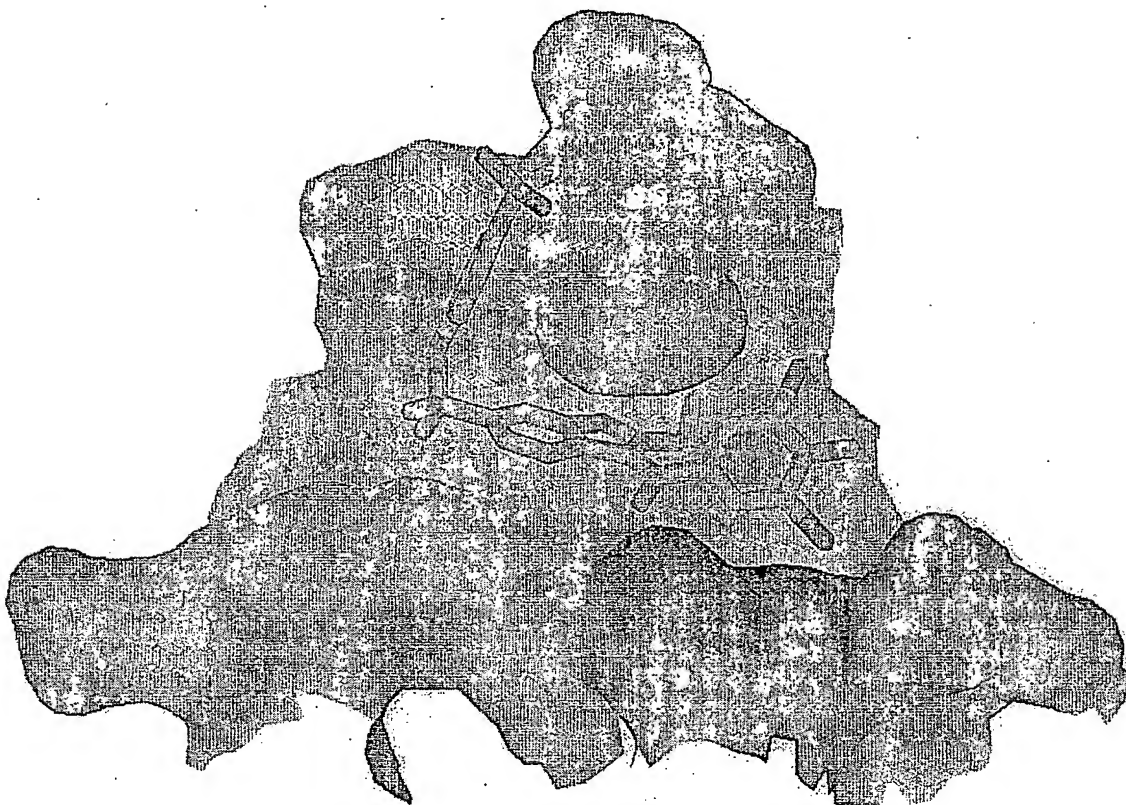


FIGURE 2

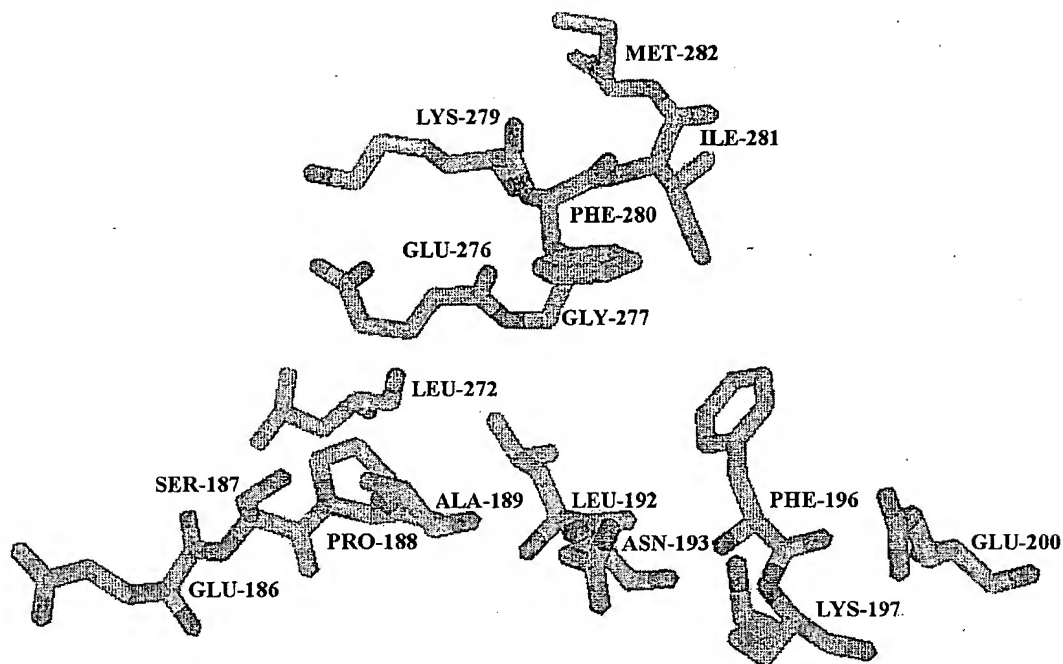


FIGURE 3

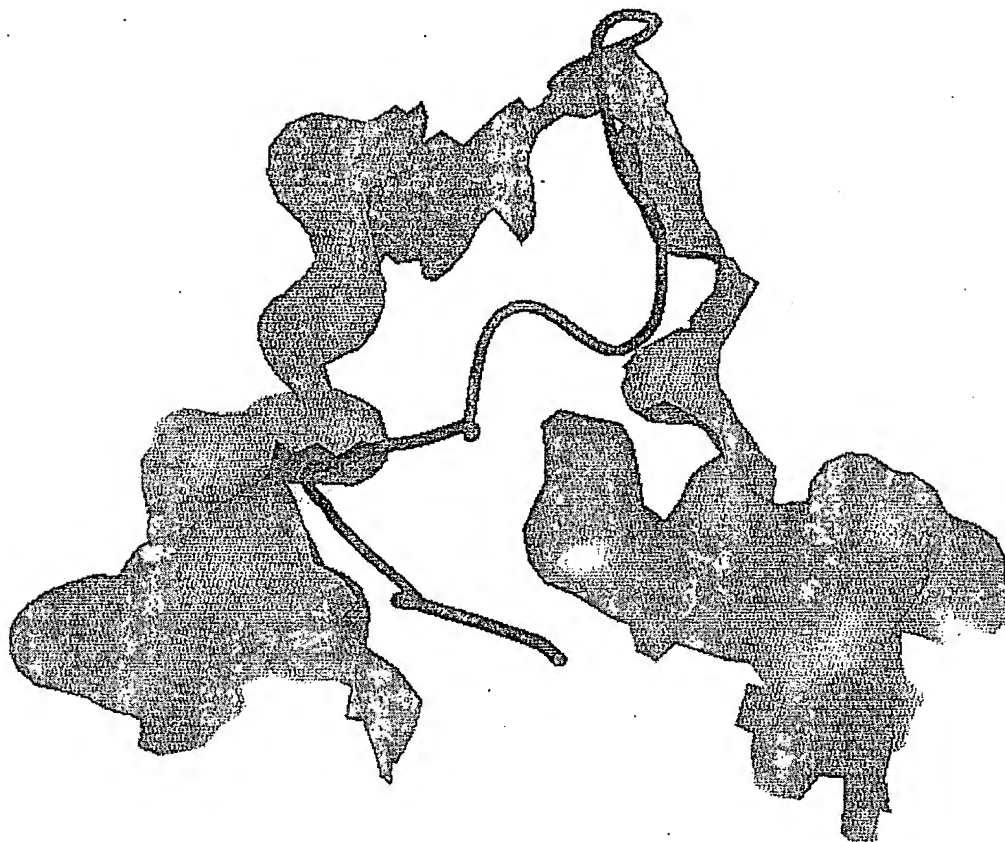


FIGURE 4

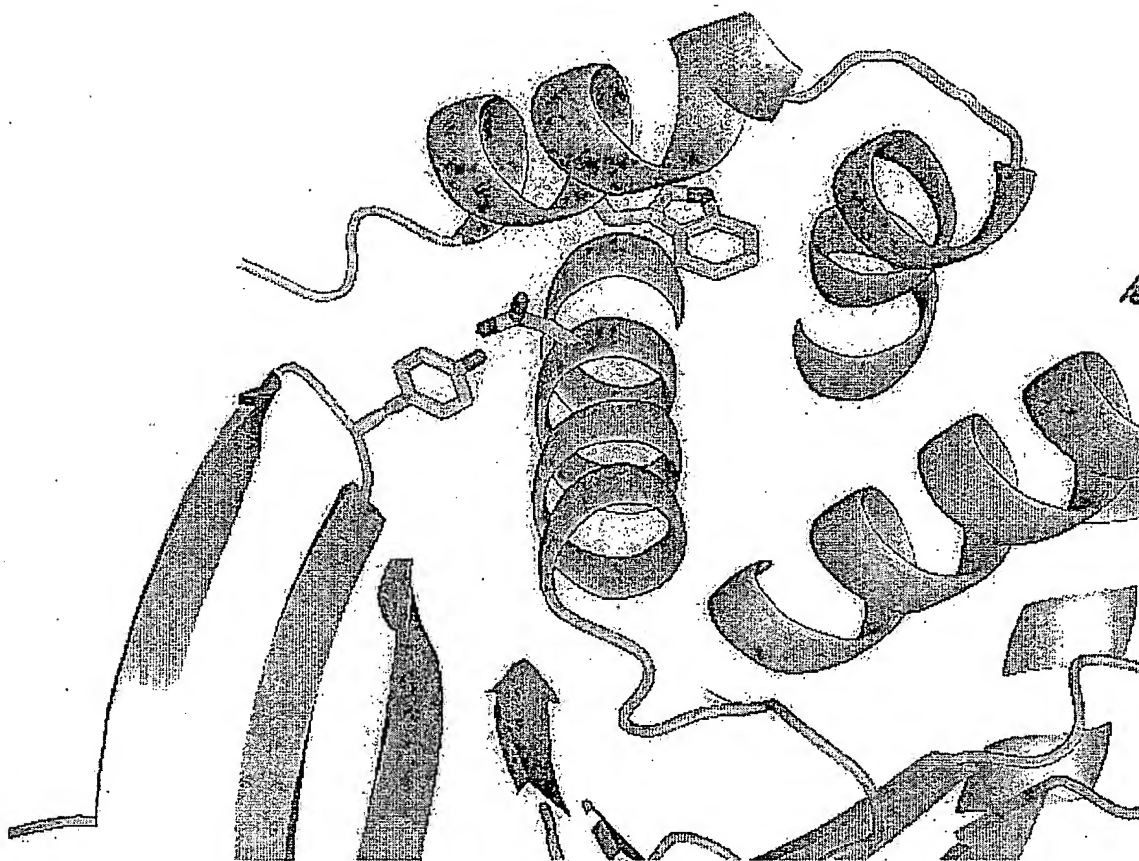


FIGURE 5

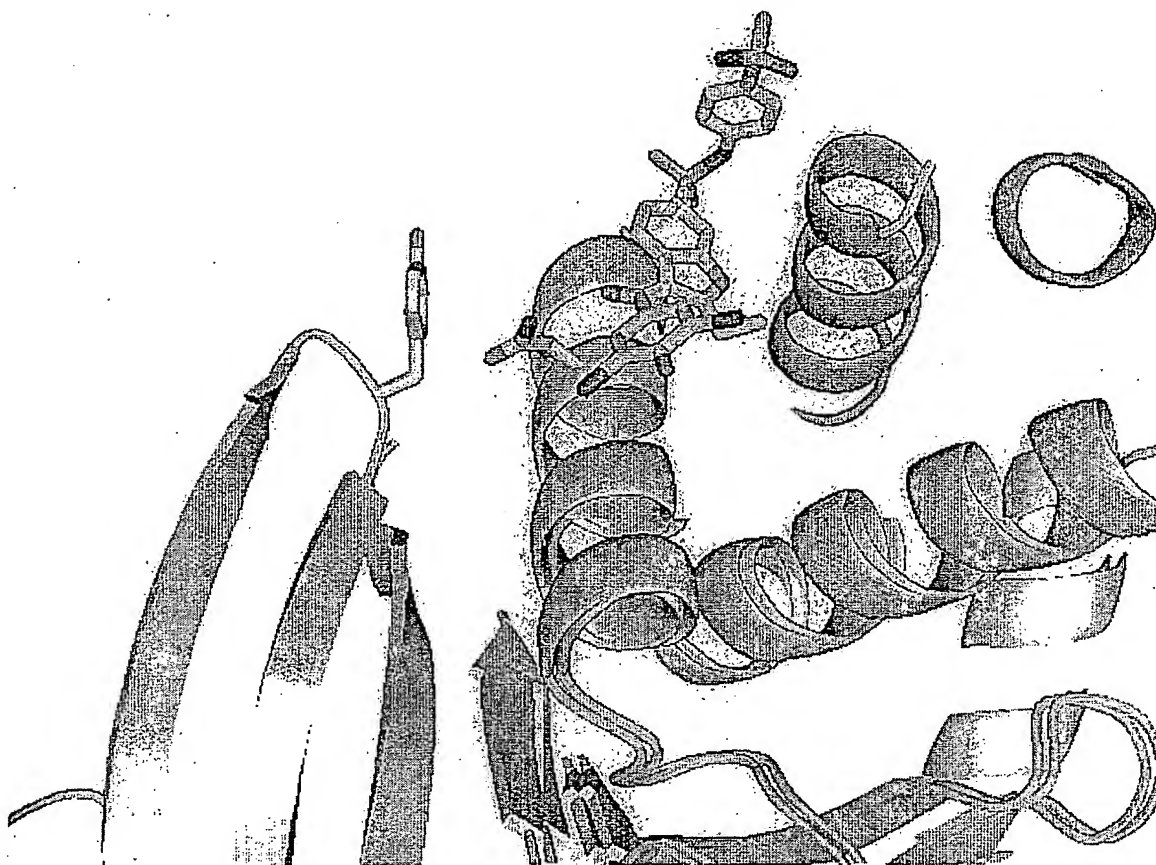
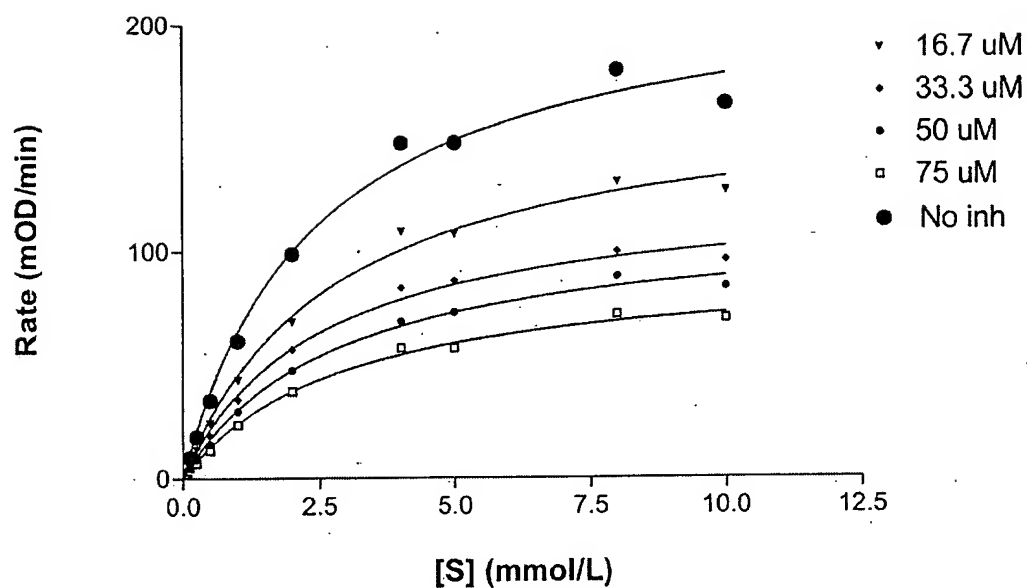


FIGURE 6

	1		50
PTP-1B	..MEMEKEFEQI DK.SGSWAAIY QDIRHEASDF PCRVAKLPM KNRNRYRDVS		
LAR	PITDLADNIERL KANDGLKFSQE YESIDPGQQF TWENSNLEVN KPNRYANVI		
	51		100
PTP-1B	PFDHSRIKLH QED....NDYINAS LIKMEEAQRS YILTQGPLPN TCGHFWEMVW		
LAR	AYDHSRVILT SIDGVPGSYINAN YIDGYRKQNA YIATQGPLE TMGDFWRMVW		
	101		150
PTP-1B	EQKSRGVVML NRVMEKGSLLK CAQYWPQKEE KEMIFEDTNL KLTLLISEDIL		
LAR	EQRTATVVMM TRLEEKSRVK CDQYWPARG. ...TETCGLI QVTLLDTVEL		
	151		200
PTP-1B	SYTTRQLEL ENLTQETRE ILHFHYTTWP DFGVPESPAS FLNFLFKVRE		
LAR	ATYTVRTFAL HKSGSSEKRE LRQFQMAWP DHGVPEYPTP ILAFLRRVKA		
	201		250
PTP-1B	SGSLSPHGP VVVHCSAGIG RSGTFCLADT CLLLMDKRKD PSSVDIKKVL		
LAR	CN. PLDAGP MVVHCSAGVG RTGCFIVID. ..AMLERMKH EKTVDIYGHV		
	251		298
PTP-1B	LEMRFKRMGL IQTADQLRFS YLAVIEGAKF IMGDSSVQDQ WKELSHED		
LAR	TCMRSQRNYM VQTEDQYVFI HEALLEAATC GHTEVPARNL YAHIQKLG		

FIGURE 7



	No inh	16.7 uM	33.3 uM	50 uM	75 uM
VMAX	221.4	169.1	126.9	113.7	94.28
KM	2.436	2.731	2.444	2.780	2.924

FIGURE 8

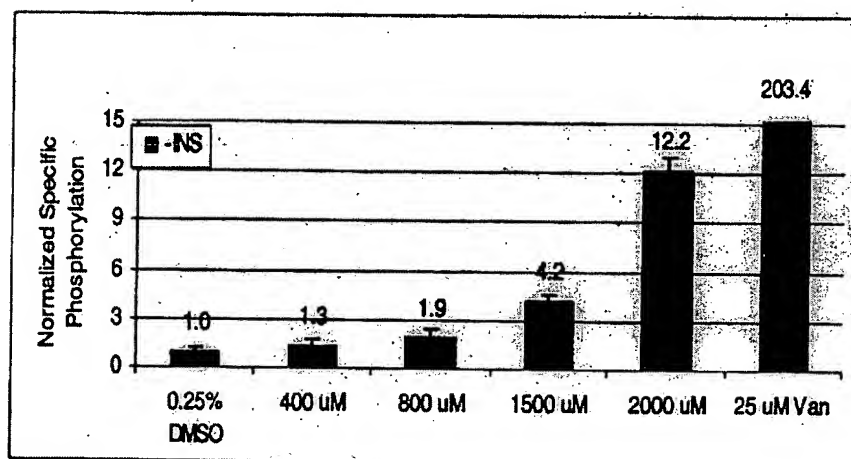


FIGURE 9

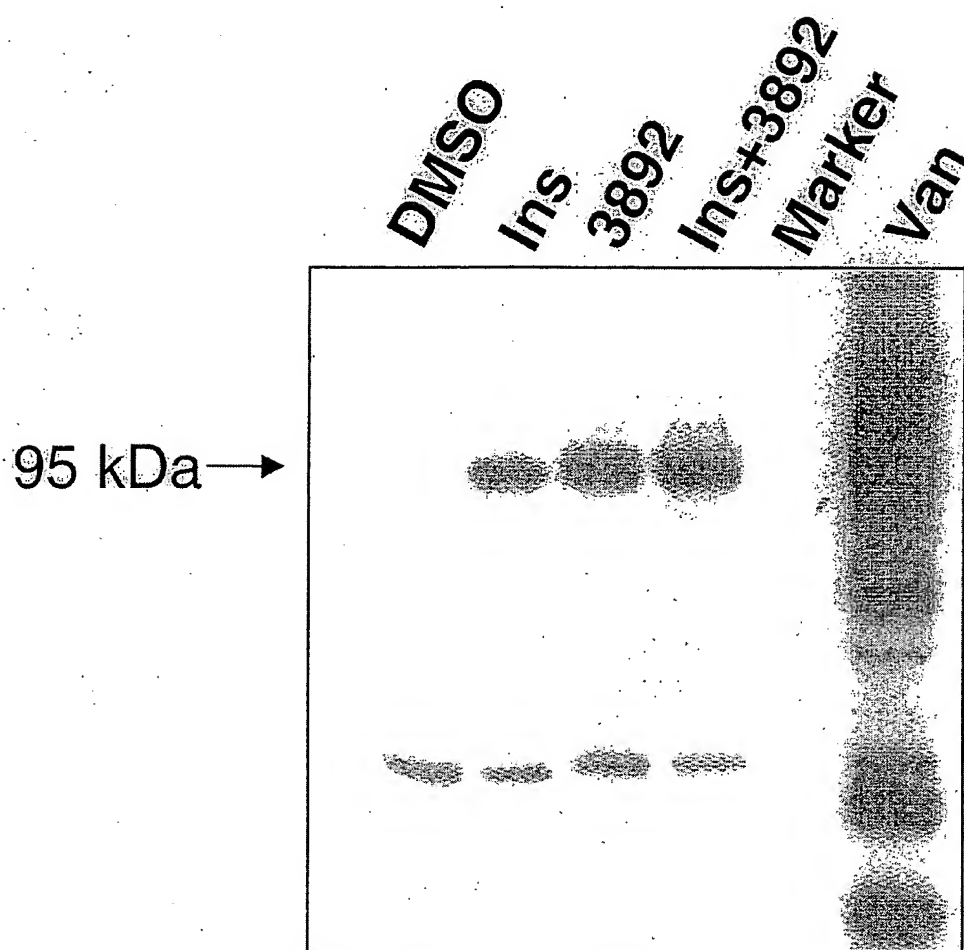


FIGURE 10